

APPENDIX

IN THE SPECIFICATION:

The paragraph beginning at page 16, line 11 has been amended as follows:

The female and male fittings 36', 116' are particularly constructed to permit accurate axial alignment of the third and fourth pole sections 128, 130 when they are screwed together. A common difficulty for conventional screw-together sections is that debris between the fittings can cause one fitting (and hence one pole section) to be tilted slightly relative to the other. Even a relatively small bit of debris can significantly affect the alignment of the pole sections. Thus, the female and male fittings 36', 116' of the present invention are formed so that the area of contact of the fittings when screwed together is limited to a thin annular contact surface 134. The pertinent construction of the female and male fittings 36', 116' to form the annular contact surface 134 is the same, so only the construction of the female fitting 36' is shown (Figs. 19 and 19A) and described hereinafter. The thin annular contact surface 134 is formed by machining a recessed area 136 everywhere on [the] an end face ("broadly, an axially facing surface") of the female fitting except at the annular contact surface. Debris in opposed recessed areas 136 of the female and male fittings 36', 116' will generally not engage both fittings when the two are mated, and thus will not interfere with the axial alignment of the fittings. For smaller fittings, where it is difficult to machine a contact surface which is wide enough, an end face 138 of a female fitting 36" is beveled as shown in Figs. 20 and 20A. The end face 138 of the fitting slopes axially inwardly from the peripheral edge of the end face to the central, threaded opening 108". The slope of the end face 138 is very small, but may be seen in the greatly enlarged fragmentary view of Fig. 20A. The male fitting (not shown) has the same construction except that the bevel terminates at the projecting threaded end.

IN THE CLAIMS:

Claim 1 has been amended as follows:

1 (amended). A surveying pole for use in locating a position in a survey of land, the surveying pole comprising at least one pole section, a point mounted on a lower end of said one pole section for engaging the ground, and a shoe sized and shaped for covering the point, the shoe being formed for releasable connection of the shoe to the surveying pole over the point to selectively cover the point, the shoe having a blunt bottom wall engageable with the ground where the shoe covers the point, whereby the surveying pole is capable of selective configuration for use in terrain having different surface properties without removal of the point.

Claim 6 has been amended as follows:

6 (amended). A surveying pole as set forth in claim 1 wherein the [shoe includes a substantially flat] bottom [having] wall is flat and has a surface area sized for engaging soft
~~terrain to support the surveying pole above the terrain.~~

Claim 8 has been amended as follows:

8 (amended). A surveying pole as set forth in claim [1] 7 wherein the shoe and surveying pole are formed for releasable interconnection at said location away from the point.

Claim 9 has been amended as follows:

9 (amended). A surveying pole as set forth in claim 8 further comprising a level vial holder mounted on the surveying pole [and capable of indicating that the pole is in a vertical orientation], the level vial holder having a first connection element formed thereon, the shoe having a second connection element formed thereon for engaging the first connection element of the holder to releasably secure the shoe on the holder for stowing the shoe.

Claim 12 has been amended as follows:

12 (amended). A surveying pole as set forth in claim 1 wherein said one pole section constitutes a first pole section, the surveying pole further comprising a second pole section telescopingly received in the first pole section for extension and retraction relative to the first section, the second pole section fitting in a sealing sliding relation into the first pole section and the first and second pole sections being closed at their ends opposite ends of the first and second pole sections telescopingly interconnected, at least one of the first and second pole sections being formed with an air escape orifice therein to control the rate of flow of air out of the pole when the second pole section is retracted into the first pole section for cushioning the retraction of the second pole section.

Claim 16 has been amended as follows:

16 (amended). A surveying pole as set forth in claim 1 wherein the point is adapted for releasable mounting on a lower end of [the first] said at least one pole section, the point comprising ~~a body, a tip formed for releasable interconnection~~
5 with the body, and a spare tip formed for releasable interconnection with the body, the body having a cavity therein sized and shaped to hold the spare tip when not in use.

Claim 19 has been amended as follows:

19 (amended). A surveying pole as set forth in claim 17 further comprising a level vial holder mounted on the surveying pole [and capable of indicating that the pole is in a vertical orientation], the level vial holder having a first
5 connection element formed thereon, the shoe having a second connection element formed thereon for engaging the first connection element of the holder to releasably secure the shoe on the holder for stowing the shoe.

Claim 22 has been amended as follows:

22 (amended). A surveying pole as set forth in claim 17 wherein said one pole section constitutes a first pole

section, the surveying pole further comprising a second pole section telescopingly received in the first pole section for extension and retraction relative to the first section, the second pole section fitting in a sealing sliding relation into the first pole section and the first and second pole sections being closed at their ends opposite ends of the first and second pole sections telescopingly interconnected, at least one of the first and second pole sections being formed with an air escape orifice therein to control the rate of flow of air out of the pole when the second pole section is retracted into the first pole section for cushioning the retraction of the second pole section.

Claim 23 has been amended as follows:

23 (amended). [.]A surveying pole as set forth in claim 17 further comprising a fitting received in and substantially closing an end said one pole section, the fitting including first and second spaced circumferential engagement surfaces in contact with the interior of said one pole section for precisely locating the fitting relative to said one pole section and a circumferential channel located between the engagement surfaces, the channel being spaced from said one pole section, and an adhesive located in the channel and bonding the fitting to said one pole section.

Claim 27 has been amended as follows:

27 (amended). A level vial holder for holding a level vial capable of indicating orientation of an object, the level vial holder being adapted for mounting on the object, the level vial holder comprising first and second holder members engageable with the object on generally opposite sides thereof, and adapted to be interconnected for clamping engagement with the object, the first and second holder members having respective engagement surfaces shaped at least partially in [correspondence] conformance with the shape of an exterior surface of the object, the first holder member including the engagement surface being

formed of a rigid material for positively locating the level vial holder relative to the [first pole section] object, the second holder member having an elastomeric pad on its engagement surface for enhancing frictional resistance to movement of the level vial
15 holder axially of the [surveying pole] object.

Claim 29 has been amended as follows:

29 (amended). A level vial holder as set forth in claim 27 in combination with the object, wherein the object comprises a surveying pole on which the level vial holder is mounted, the surveying pole [have] having a lower end and a shoe adapted for releasable connection to the lower end, and wherein one of the first and second holder members is formed with a connector element thereon adapted to connect the shoe for stowing the shoe when not in use.

Claim 31 has been amended as follows:

31 (amended). A surveying pole for use in locating a position in a survey of land, the surveying pole comprising at least one pole section, a point adapted for releasable mounting on a lower end of the pole section for use in locating the surveying pole on the ground, the point comprising a body, a tip formed for releasable interconnection with the body at a connection location on the body, and a spare tip formed for releasable interconnection with the body at the connection location on the body to replace the tip, the body having a cavity therein sized and shaped to hold the spare tip when not in use.

New claims 34-37 have been added.